

# **DLMS-Related Passive Radio Frequency Identification (RFID) Implementation Status**

- Marine Corps selected DLMS Bridge (middleware) to receive ASNs because it was free and open to modification. Selected EasyRFID (edgeware) to communicate with the passive devices (OSD suggested using commercial product that does both as enterprise solution, such as GlobeRanger).
- A combination of DLMS transactions were used to create the OMC file format to minimize the requirement to alter the Automated Manifest System - Tactical (AMS-TAC) and limit NMCI issues.
- During implementation, discovered ADC 219 “Visibility Transactions” and incorporated it into the II MEF implementation in a phased approach.
  - Phase I: Passive portals provide DAASC with “Visibility Transaction” upon reading tagged shipments from the “Dedicated Truck” delivery. (Similar to nodal visibility provided by active RFID / no ASN’s received).
  - Phase II: Incorporate ASN’s for use with AMS-TAC.
- MarCorSysCom selected Northrup Grumman to develop and implement the Marine Corps enterprise solution (currently looking at GlobeRanger) for passive RFID technology at I and III MEF.
- USTRANSCOM installing passive RFID at Kaneohe Bay, Hawaii (1 Marine Corps site only / GlobeRanger being utilized)
- Navy using GlobeRanger which would assist NMCI certification efforts